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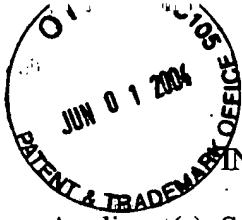
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---|---|---|
| Applicant(s): Scott A. Lloyd et al. | ) | Attorney Docket No. JAIC.66141 |
| | ) | |
| Serial No. 09/272,922 | ) | Examiner: Charles E. Anya |
| | ) | |
| Filed: March 19, 1999 | ) | Art Unit: 2126 |
| | ) | |
| Title: METHOD AND DEVICE | ) | |
| IMPLEMENTING A SEAMLESS | ) | |
| USER/SERVICE RESERVATION NETWORK | ) | |

## DECLARATION OF SCOTT A. LLOYD
## UNDER 37 CFR § 1.131

1.    I am a joint inventor of the subject matter disclosed and claimed in the above identified patent application, along with the other two inventors named therein.

2.    I am familiar with the patent application and what it discloses and claims.

3.    The subject matter disclosed in the patent application was conceived sometime prior to June of 1997. Appended as Exhibit 1 is a true copy of a document entitled "GOLFSWITCH" that was prepared August 12, 1997 to describe the subject matter as it was then conceived. Exhibit 1 contains a description of the subject matter that is disclosed and claimed in the patent application.

4.    The accompanying Appendix sets forth in column form each current patent claim in one column and the part of Exhibit 1 that describes the subject matter of the corresponding claim in the other column. Exhibits 1A-1H are accurate reproductions of selected pages in Exhibit 1 that are referenced in the Appendix for convenience. The subject matter of all of the current patent claims was conceived at least by August 12, 1997, as indicated in the Appendix and the references therein to specific parts of Exhibit 1.

1430365v1

5. Beginning in 1997, I and others employed by or associated with the assignee of the patent application began working on the development of software implementing the invention documented in Exhibit 1.

6. Development work continued until July of 1998 when the software was successfully tested. At that time, the invention was actually practiced and the subject matter disclosed and claimed in the patent application was actually used for its intended purpose in a test that was successfully carried out.

7. Appended as Exhibit 2 is a true copy of a document that details the man hour effort devoted to developing the subject matter of the invention in the time period of June 1997 (when the development work started) until July 1998 (when the subject matter of the invention was actually reduced to practice, successfully operated, and performed its intended purpose). The work I did is accurately shown on Exhibit 2 in the column for "Scott", and the work of others listed in Exhibit 2 is accurate to the best of my knowledge.

8. The subject matter disclosed and claimed in the patent application was actually reduced to practice and successfully tested in July of 1998 and was not thereafter abandoned, suppressed or concealed. The invention that was reduced to practice and actually operated to perform its intended function at that time is what the current patent claims describe.

9. Between July of 1998 and December of 1998, and thereafter, I and others employed or associated with the assignee of the application continued working on and enhancing the software used to practice the invention.

10. Between early December 1998 and the time the application was filed in March of 1999, work continued on the development and enhancement of the software. Work was also ongoing, and continuous during this time period toward applying for a patent, including discussions and research about whether the invention is patentable, what aspects are important to

patent, how to go about applying for a patent, how much a patent might cost, how to find a patent attorney to help with the process, and related issues.

11.    In early March of 1999 following research into the patent process and its expected costs, and research relating to patent attorneys best suited to provide patent assistance as to the technology involved in the inventions, the firm of Shook, Hardy & Bacon ("SHB") was contacted and engaged to prepare and file the patent application.

12.    On March 8, 1999, representatives of the assignee of the application met with attorneys from SHB to discuss the application and provide a description of the invention.
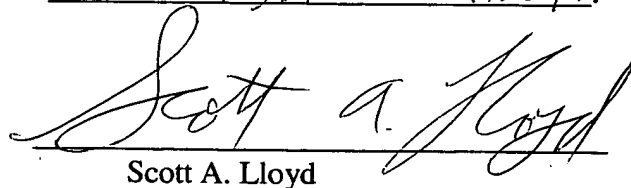
13.    Following the March 8 meeting, a provisional application was filed on March 16, 1999 followed by the filing of this application on March 19, 1999.

14.    From at least early December of 1998 until the time this application was filed, I and the other two inventors were continuously diligent in getting information and preparing the documentation necessary to prepare and file the patent application.

15.    All acts set forth in this Declaration were performed in the United States, including all work relating to the conception, the actual reduction to practice and the preparation and filing of the patent application.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.


Executed this _17_ day of ___May___, 2004 at ___Chandler, AZ___  4:20 pm
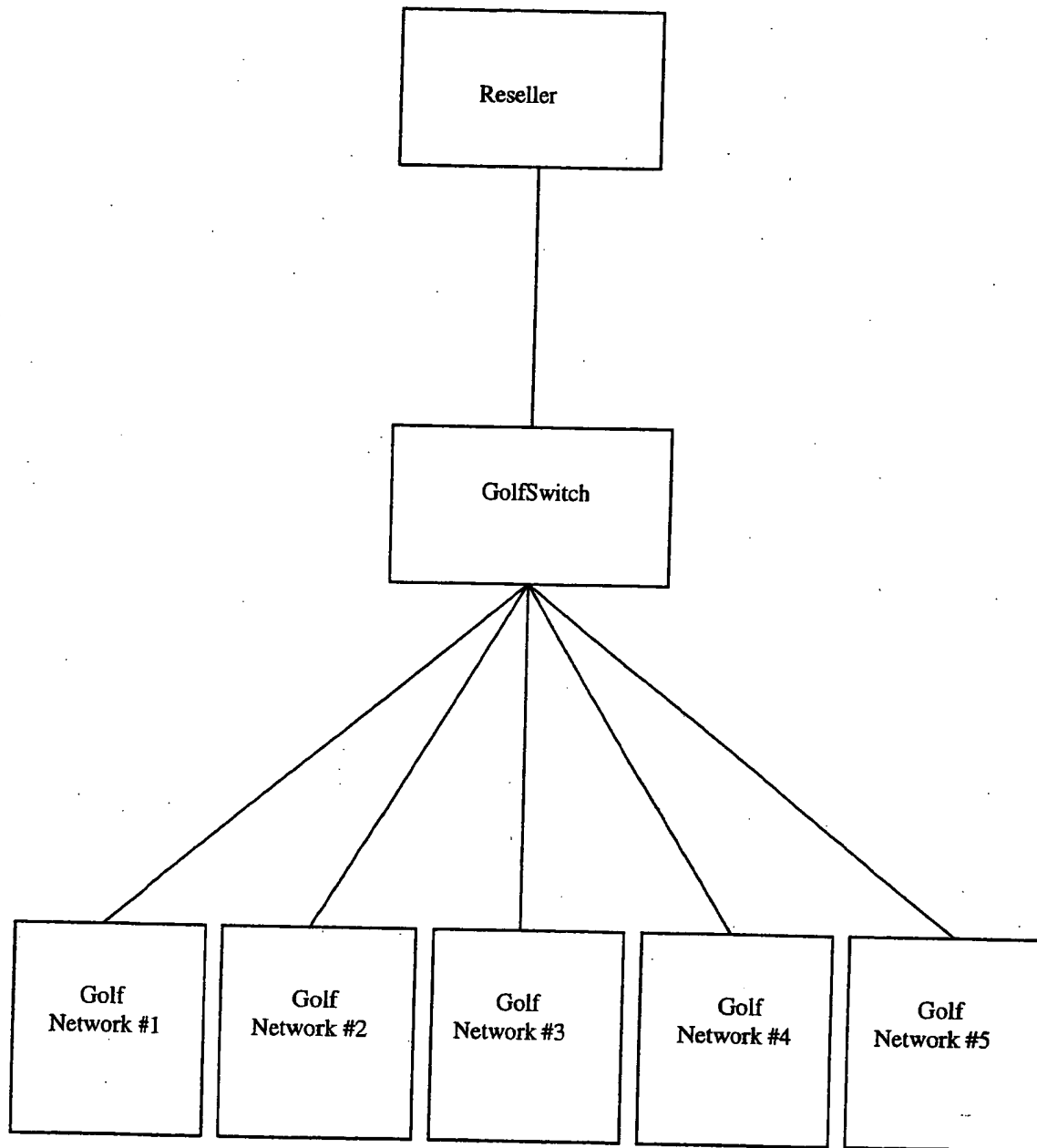
_____
Scott A. Lloyd

# GOLFSWITCH
## August 12, 1997

*Proprietary and Confidential*

# 1. INTRODUCTION

The ANDS Golfswitch provides a seamless single network connection between golf course network providers and their resellers. This network provides a functional suite of online transactions allowing for shopping, booking and database maintenance. As a part of the online service, ANDS provides the network communication software allowing for a minimal development effort to participate. The following list represents the suite of online transactions supported by the Golfswitch:

| CATEGORY | TRANSACTION | PROCESSING |
|---|---|---|
| Shopping | | |
| | Area Listing | Processed and responded to by Golfswitch |
| | Area Course Listing | Processed and responded to by Golfswitch |
| | Area Availability | Routed to each golf network that has courses within the specified area. Each network provider will respond with a listing of available courses and tee times meeting the criteria. The golf switch will accumulate the responses from each network and return a single response to the requesting reseller. |
| | Course Availability | Routed to the specific golf network that has the specified golf course on their system. |
| Booking | | |
| | Book Tee Time | Routed to the specific golf network that has the specified golf course on their system. |
| | Modify Booking | Routed to the specific golfnetwork that has the specified golf course on their system. |
| | Cancel Booking | Routed to the specific golf network that has the specified golf course on their system. |
| | Retrieve Booking | Routed to the specific golf network that has the specified golf course on their system. |
| Maintenance | | |
| | Course | Originating from golf network to maintain the database of their golf courses on the golf switch |
| | Course Area | Originating from golf network to maintain the database of their golf courses assigned to specific Golfswitch areas. |

## 1.1 GOLFSWITCH NETWORK OVERVIEW

```
                    ┌─────────────────┐
                    │                 │
                    │    Reseller     │
                    │                 │
                    └────────┬────────┘
                             │
                             │
                    ┌────────┴────────┐
                    │                 │
                    │   GolfSwitch    │
                    │                 │
                    └─────────────────┘
```

| Golf Network #1 | Golf Network #2 | Golf Network #3 | Golf Network #4 | Golf Network #5 |

## Wide Area Network

The preferred wide area network connectivity is dedicated 56KB frame relay circuits. For an additional charge, ANDS can setup a secure encrypted tunnel connection over the internet to the golfswitch. This method would require more investment up front but would yield a much smaller monthly recurring data line charge. Dial up communications will also be provided but are not recommended due to the "online" nature of the golf switch.

## Protocol

The preferred protocol for the golfswitch is tcp/ip. Additional protocols will be supported if necessary for an additional setup fee.

## Provided Communication Software

ANDS provides to each golfswitch customer a communications software package as part of the subscription. This package provides multi-threaded tcp/ip connectivity to the golfswitch running on a MS Windows NT platform. Software functions written in the "C" programming language for each transaction are available for customizing to fit the customers specific reservation system needs. The actual communication routines are already written, tested and transparent. This allows for rapid development and minimal integration time thus reducing cost significantly.

## 2. TRANSACTION HEADER SEGMENT

All transactions through the Golfswitch contain a common header segment. This header segment must occur first within the transaction prior to any other transaction segments. The following represents the fields within this header:

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | GOLFA |
| orig_sys | 3 | 3 letter code for originating system. |
| message_id | 16 | AlphaNumeric string to identify this specific transaction. Generated by the originating system. |
| orig_time | 14 | Time stamp when transaction originated. FORMAT: YYYYMMDDHHMMSS |
| resp_time | 14 | Time stamp when responding system responded with reply FORMAT: YYYYMMDDHHMMSS |

EXAMPLE:

GOLFAlAWVl235998561199708121210231199708121210261~

# 3. SHOPPING TRANSACTIONS

## 3.1 Area List

This transaction provides a list of the available area codes used within the Golfswitch. Golfswitch will process this message and provide the reply. This transaction is available for both Golf Networks and Resellers.

Request Transaction - AREALIST

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | AREALIST |
| country | 3 | Country Code. If not present, USA is defaulted |
| state_prov | 16 | State/Province Code. If not present, All states/provinces included |

EXAMPLE:

GOLFAIAWVI235998561199708121210231I~
AREALISTIICAI~

Reply Transaction - AREA (can occur multiple times, at least 1 segment will always be returned)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | AREA |
| reply_code | 2 | 0 = Successful reply<br>1 = No Areas matching criteria |
| country | 3 | Country Code. |
| state_prov | 16 | State/Province Code. |
| area_code | 18 | Area Code |

EXAMPLE:

GOLFAIAWVI235998561199708121210231199708121210251~
AREAI0IUSAICAISAN FRANCISCOI~
AREAI0IUSAICAILOS ANGELESI~
AREAI0IUSAICAISAN DIEGOI~
AREAI0IUSAICAIORANGE COUNTYI~
AREAI0IUSAICAIDISNEY LANDI~

## 3.2 Area Course List

This transaction provides a list of the golf courses registered within a specified golfswitch area. Golfswitch will process this message an provide the reply. This transaction is available for both Golf Networks and Resellers.

Request Transaction - AREACOURSE

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | AREACOURSE |
| area_code | 18 | Golfswitch Area Code |

EXAMPLE:
GOLFAIAWVI235998561199708121210231I~
AREACOURSEISAN DIEGOI~

Reply Transaction - COURSE (can occur multiple times, at least 1 will always be returned)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSE |
| reply_code | 2 | 0 = Success<br>1 = No courses matching criteria |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| course_name | 30 | Golf course name |
| addr_1 | 30 | Address of golf course line 1 |
| addr_2 | 30 | Address of golf course line 2 |
| city | 30 | City of golf course |
| state_prov | 16 | State or Province of golf course |
| postal_code | 16 | ZIP or Postal code of golf course |
| country | 3 | 3 character country code of golf course |
| phone_no | 16 | Telephone # of golf course |
| holes | 3 | Number of holes at golf course |
| carts | 1 | "Y" carts available<br>"N" carts not available |
| slope_rating | 10 | Course Slope Rating |
| classification | 32 | Course Classification (i.e. Executive, Championship etc...) |
| mens_par | 3 | Mens Par for cours |
| ladies_par | 3 | Ladies Par for course |
| mens_yardage1 | 5 | Mens yardage #1 |
| mens_yardage2 | 5 | Mens yardage #2 |
| mens_yardage3 | 5 | Mens yardage #3 |
| mens_yardage4 | 5 | Mens yardage #4 |
| ladies_yardage1 | 5 | Ladies yardage #1 |
| ladies_yardage2 | 5 | Ladies yardage #2 |

EXAMPLE:
GOLFAIAWVI235998561199708121210231199708121210261~
COURSEI0IPTTI23895ILaJolla Shoresl1234 LaJolla BoulevardlI
LaJollalCAI99235IUSAI6192234545I36IYI
200I63I69I7000I6900I6800I6700I6100I5900I~

## 3.3 Area Availability

This transaction provides a list of the golf courses registered within a specified golfswitch area that have available tee times within the specified criteria. Golfswitch will route this message to all golf course networks that have courses within the specified area. Golfswitch will then wait until all Golf Networks have responded or until the 20 second time out has been reached. When either of these events occur, Golfswitch will combine the responses of the various Golf Networks and respond to the reseller with a single response. This transaction is available for Resellers only.

Request Transaction - AREAAVAIL

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | AREAAVAIL |
| area_code | 18 | Golfswitch Area Code |
| network_id | 3 | If golf network ID is supplied, transaction is only routed to that specific network. If not supplied, all networks with courses in the specified area will receive this transaction. |
| start_date | 8 | YYYYMMDD |
| end_date | 8 | YYYYMMDD |
| players | 2 | Number of players |
| time_preference | 1 | 1 = morning preference, return morning tee time availability<br>2 = afternoon preference, return afternoon tee time availability |
| holes | 3 | Number of holes per day |
| cart | 1 | "Y" cart requested, only respond with courses that have carts<br>"N" cart not needed |
| max_fee | 6 | Maximum fee per player for holes specified. Right 2 positions are considered decimal positions. Example: 50 dollars would be presented as 5000.<br><br>If present, only respond with courses, dates and tee times that have fees per player for the specified # of holes that are <= provided value. |

EXAMPLE:
GOLFAIAWVI235998569708121212210231I~
AREAAVAILISAN DIEGOII19970915I199709151211I18IYI11000I~

Reply Transaction Segment - COURSE (can occur multiple times, at least 1 will always be returned)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSE |
| reply_code | 2 | 0 = Success<br>1 = No courses matching criteria |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| course_name | 30 | Golf course name |
| addr_1 | 30 | Address of golf course line 1 |
| addr_2 | 30 | Address of golf course line 2 |
| city | 30 | City of golf course |
| state_prov | 16 | State or Province of golf course |
| postal_code | 16 | ZIP or Postal code of golf course |
| country | 3 | 3 character country code of golf course |
| phone_no | 16 | Telephone # of golf course |
| holes | 3 | Number of holes at golf course |
| carts | 1 | "Y" carts available<br>"N" carts not available |
| slope_rating | 10 | Course Slope Rating |
| classification | 32 | Course Classification (i.e. Executive, Championship etc....) |
| mens_par | 3 | Mens Par for cours |
| ladies_par | 3 | Ladies Par for course |
| mens_yardage1 | 5 | Mens yardage #1 |
| mens_yardage2 | 5 | Mens yardage #2 |
| mens_yardage3 | 5 | Mens yardage #3 |
| mens_yardage4 | 5 | Mens yardage #4 |
| ladies_yardage1 | 5 | Ladies yardage #1 |
| ladies_yardage2 | 5 | Ladies yardage #2 |

Reply Transaction Segment -
TIMESAVAIL (occurs multiple times, one for each day within the date span)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | TIMESAVAIL |
| reply_code | 2 | 0 = Success<br>1 = No Tee Times matching criteria |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD |
| times_available | 3 | Number of tee times available meeting criteria |

GOLFAIAWVI235998569708121210239708121210261~
COURSEI0IPTTI23895ILaJolla Shoresl1234 LaJolla Boulevardll
LaJollaICAI99235IUSAI6192234545I36IYI
~
TIMESAVAILI0IPTTI238951199709151201~
COURSEI0IPTTI23896IMiramarl9934 Miramar Boulevardll
San DiegoICAI99235IUSAI6192387545I36I~
TIMESAVAILI0IPTTI238961199709151451~

## 3.4 Course Availability

This transaction provides a list of the available tee times within the specified criteria for a specific golf course. Golfswitch will route this message to the network that has the specified course. This transaction is available for Resellers only.

Request Transaction - COURSEAVAIL
( Up to 10 COURSEAVAIL segments can be grouped within a single transaction)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEAVAIL |
| network_id | 3 | 3 char golf network id. |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| start_date | 8 | YYYYMMDD |
| end_date | 8 | YYYYMMDD |
| players | 2 | Number of players |
| time_preference | 1 | 1 = morning preference, return morning tee time availability<br>2 = afternoon preference, return afternoon tee time availability |
| holes | 3 | Number of holes per day |
| cart | 1 | "Y" cart requested<br>"N" cart not needed |
| max_fee | 6 | Maximum fee per player for holes specified. Right 2 positions are considered decimal positions. Example: 50 dollars would be presented as 5000. |

EXAMPLE:
GOLFAIAWVI235998561970812121023II~
COURSEAVAILIPTTI23895I199709151199709151I2I1I18IYI11000I~

Reply Transaction Segment - COURSE (Refer to section 3.3 for more details on this segment)

Reply Transaction Segment - TEETIMES
(can occur multiple times for a given COURSE segment,
at least 1 will always be returned for each COURSE segment)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | TEETIMES |
| reply_code | 2 | 0 = Success<br>1 = No Tee Times matching criteria |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| avail_players | 2 | Available player slots for tee time |
| holes | 3 | Number of holes available for tee time |
| description | 16 | Description of holes available (i.e. "south eighteen") |
| fee_per_player | 6 | Fee per player for number of holes. Right 2 positions are considered decimal positions. Example: 50 dollars is presented as 5000 |
| cart_fee | 6 | Fee per cart. Right 2 positions are considered decimal positions. Example: 50 dollars is presented as 5000 |

EXAMPLE:

GOLFAIAWVI235998561970812121023I9708121210261~
COURSEI0IPTTI23895ILaJolla Shoresl1234 LaJolla Boulevardll
LaJollaICAI99235IUSAI61922345451361~
TEETIMESI0IPTTI238951199709151063014I18I
SOUTH EIGHTEENI10500I1500I~
TEETIMESI0IPTTI238951199709151063414I18I
SOUTH EIGHTEENI10500I1500I~
TEETIMESI0IPTTI238951199709151063814I18I
SOUTH EIGHTEENI10500I1500I~
TEETIMESI0IPTTI238951199709151074414I18I
SOUTH EIGHTEENI10500I1500I~
TEETIMESI0IPTTI238951199709151095214I18I
SOUTH EIGHTEENI10500I1500I~
TEETIMESI0IPTTI23895119970915I114214I18I
SOUTH EIGHTEENI10500I1500I~

# 4. BOOKING TRANSACTIONS

## 4.1 Book Tee Time
This transaction provides the ability to book and confirm a tee time at a specified golf course.

Request Transaction - BOOKTIME

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | BOOKTIME |
| network_id | 3 | If golf network ID is supplied, transaction is only routed to that specific network. If not supplied, all networks with courses in the specified area will receive this transaction. |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD |
| time | 4 | HHMM time |
| players | 2 | Number of Players |
| holes | 2 | Number of Holes |
| carts | 1 | Number of Carts |
| name | 40 | Guest name tee time is booked under |
| gtd_method | 2 | Guarantee method<br>CC = Credit Card<br>VC = Voucher<br>TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express<br>VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date<br>MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |

EXAMPLE:
GOLFAlAWVl23599856l9708121210231l~
BOOKTIMElPTTl238951199709151093012l1lJohnson LarrylTAlllll~

Reply Transaction Segment - BOOKREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | BOOKREP |
| reply_code | 2 | 0 = Successfully booked or modified, confirmation number supplied<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| players | 2 | Players |
| holes | 3 | Holes |
| carts | 1 | Carts |
| name | 40 | Guest name tee time is booked under |
| gtd_method | 2 | Guarantee method<br>CC = Credit Card<br>VC = Voucher<br>TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express<br>VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date<br>MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |
| confirmation_no | 16 | Tee Time confirmation number |
| player_cost | 6 | Cost per player not including tax. Right 2 positions are considered decimal positions. |
| total_cost | 6 | Total cost for booking including applicable taxes and other chargeable items. Right 2 positions are considered decimal positions. |

EXAMPLE:
GOLFAlAWVl23599856l970812121023l970812121026l~
BOOKREPl0lPTTl23895l19970915l0930l2l18l1l
lLARRY JOHNSONllllllCF299834582l9500l23500l~

## 4.2 Modify Tee Time
This transaction provides the ability to modify a booked tee time at a specified golf course.

Request Transaction - MODBOOK
( only 1 MODBOOK allowed per transaction )
( specific modification segments must follow the MODBOOK segment within the transaction )

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | MODBOOK |
| network_id | 3 | If golf network ID is supplied, transaction is only routed to that specific network. If not supplied, all networks with courses in the specified area will receive this transaction. |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD |
| time | 4 | HHMM time |
| confirmation_no | 16 | Tee Time confirmation number |

Request Transaction segment - MODPLAYERS

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | MODPLAYERS |
| action | 1 | A = Add number of players<br>S = Subtract number of players |
| number | 2 | Number of players to either add or subtract to booked tee time |

Request Transaction segment - MODHOLES

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | MODHOLES |
| number | 2 | New number of holes requested for booking. |

Request Transaction segment - MODCARTS

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | MODCARTS |
| number | 2 | New number of carts requested for booking. |

Request Transaction segment - MODNAME

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | MODNAME |
| name | 40 | New name for booking. |

Request Transaction segment - MODGTD

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | MODGTD |
| gtd_method | 2 | Guarantee method<br>CC = Credit Card<br>VC = Voucher<br>TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express<br>VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date<br>MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |

EXAMPLE:

GOLFAIAWVI23599856I9708121210231I~
MODBOOKIPTTI23895I19970915I09301 CF299834582I~
MODPLAYERSIAI1I~
MODCARTSI2I~
MODNAMEIIBM SALESI~

Reply Transaction Segment - BOOKREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | BOOKREP |
| reply_code | 2 | 0 = Successfully booked or modified, confirmation number supplied<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| players | 2 | Players |
| holes | 3 | Holes |
| carts | 1 | Carts |
| name | 40 | Guest name tee time is booked under |
| gtd_method | 2 | Guarantee method<br>CC = Credit Card<br>VC = Voucher<br>TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express<br>VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date<br>MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |
| confirmation_no | 16 | Tee Time confirmation number |
| player_cost | 6 | Cost per player not including tax. Right 2 positions are considered decimal positions. |
| total_cost | 6 | Total cost for booking including applicable taxes and other chargeable items. Right 2 positions are considered decimal positions. |

EXAMPLE:
GOLFAIAWVI23599856I970812121023I970812121026I~
BOOKREPI0IPTTI23895I199709151093013118I2I
IIBM SALESIIIIIICF299834582I9500I34500I~

## 4.3 Cancel Tee Time
This transaction provides the ability to cancel a booked tee time at a specified golf course.

Request Transaction - CXLBOOK

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | CXLBOOK |
| network_id | 3 | Golf network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD |
| time | 4 | HHMM time |
| confirmation_no | 16 | Tee Time confirmation number |

EXAMPLE:
GOLFAIAWVI235998561970812121023II~
CXLBOOKIPTTI23895I199709015I0930ICF299834582I~

Reply Transaction Segment - CXLBOOKREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | CXLBOOKREP |
| reply_code | 2 | 0 = Successfully cancelled, cancellation number supplied<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| players | 2 | Players |
| holes | 3 | Holes |
| carts | 1 | Carts |
| confirmation_no | 16 | Tee Time confirmation number |
| cancellation_no | 16 | Tee Time cancellation number |

EXAMPLE:
GOLFAIAWVI235998561970812121023I9708121210261~
BOOKREPI0IPTTI23895I1997091510930I3I18I2I
IIBM SALESIIIIIICF299834582I9500I345001~

## 4.4 Retrieve Booked Tee Time

This transaction provides the ability to retrieve a booked tee time at a specified golf course.

Request Transaction - GETBOOK

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | GETBOOK |
| network_id | 3 | Golf network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD |
| time | 4 | HHMM time |
| confirmation_no | 16 | Tee Time confirmation number |

EXAMPLE:
GOLFAIAWVI235998561970812121023II~
GETBOOKIPTTI238951199709151093OICF299834582I~

Reply Transaction Segment - BOOKREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | BOOKREP |
| reply_code | 2 | 0 = Successfully retrieved,<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| players | 2 | Players |
| holes | 3 | Holes |
| carts | 1 | Carts |
| name | 40 | Guest name tee time is booked under |
| gtd_method | 2 | Guarantee method<br>CC = Credit Card<br>VC = Voucher<br>TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express<br>VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date<br>MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |
| confirmation_no | 16 | Tee Time confirmation number |
| player_cost | 6 | Cost per player not including tax. Right 2 positions are considered decimal positions. |
| total_cost | 6 | Total cost for booking including applicable taxes and other chargeable items. Right 2 positions are considered decimal positions. |

EXAMPLE:
GOLFAIAWVl23599856l9708121210231970812121026l~
BOOKREPl0lPTTl238951199709151093013118l2l
IIBM SALESlllllllCF299834582l9500l34500l~

# 5. MAINTENANCE TRANSACTIONS

## 5.1 Course Maintenance

This transaction provides the ability for the Golf Network to maintain their courses on the Golfswitch. This transaction is initiated by the Golf Network and is processed as an online transaction.

Request Transaction Segment - COURSEMAINT

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEMAINT |
| action | 1 | U = Update if record already exists, if not Add record<br>D = Delete record |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| course_name | 30 | Golf course name |
| addr_1 | 30 | Address of golf course line 1 |
| addr_2 | 30 | Address of golf course line 2 |
| city | 30 | City of golf course |
| state_prov | 16 | State or Province of golf course |
| postal_code | 16 | ZIP or Postal code of golf course |
| country | 3 | 3 character country code of golf course |
| phone_no | 16 | Telephone # of golf course |
| holes | 3 | Number of holes at golf course |

EXAMPLE:
```
GOLFAIAWVI235998561970812121023I970812121026I~
    COURSEMAINTIUIPTTI23895ILaJolla ShoresI1234 LaJolla BoulevardII
        LaJollaICAI99235IUSAI61922345451361~
```

Reply Transaction Segment - COURSEMAINTREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEMAINTREP |
| reply_code | 2 | 0 = Successfully updated/deleted<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |

EXAMPLE:
```
GOLFAIAWVI235998561970812121023I970812121026I~
    COURSEMAINTREPI0IPTTI238951~
```

## 5.2 Course Area Maintenance

This transaction provides the ability for the Golf Network to assign their courses to specific Golfswitch areas. This transaction is initiated by the Golf Network and is processed as an online transaction.

Request Transaction Segment - COURSEAREA

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEAREA |
| action | 1 | U = Update if record already exists, if not Add record<br>D = Delete record |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| area_code | 18 | Valid Golfswitch area |

EXAMPLE:

GOLFAIAWVI23599856I9708121210231970812121026I~
COURSEAREAIUIPTTI23895ISAN DIEGOI~

Reply Transaction Segment - COURSEAREAREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEAREAREP |
| reply_code | 2 | 0 = Successfully updated/deleted<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| area_code | 18 | Valid Golfswitch area code |

EXAMPLE:

GOLFAIAWVI23599856I9708121210231970812121026I~
COURSEMAINTREPIOIPTTI23895ISAN DIEGOI~

# 1. INTRODUCTION

The ANDS Golfswitch provides a seamless single network connection between golf course network providers and their resellers. This network provides a functional suite of online transactions allowing for shopping, booking and database maintenance. As a part of the online service, ANDS provides the network communication software allowing for a minimal development effort to participate. The following list represents the suite of online transactions supported by the Golfswitch:

| CATEGORY | TRANSACTION | PROCESSING |
|---|---|---|
| Shopping | | |
| | Area Listing | Processed and responded to by Golfswitch |
| | Area Course Listing | Processed and responded to by Golfswitch |
| | Area Availability | Routed to each golf network that has courses within the specified area. Each network provider will respond with a listing of available courses and tee times meeting the criteria. The golf switch will accumulate the responses from each network and return a single response to the requesting reseller. |
| | Course Availability | Routed to the specific golf network that has the specified golf course on their system. |
| Booking | | |
| | Book Tee Time | Routed to the specific golf network that has the specified golf course on their system. |
| | Modify Booking | Routed to the specific golfnetwork that has the specified golf course on their system. |
| | Cancel Booking | Routed to the specific golf network that has the specified golf course on their system. |
| | Retrieve Booking | Routed to the specific golf network that has the specified golf course on their system. |
| Maintenance | | |
| | Course | Originating from golf network to maintain the database of their golf courses on the golf switch |
| | Course Area | Originating from golf network to maintain the database of their golf courses assigned to specific Golfswitch areas. |

# 4. BOOKING TRANSACTIONS

## 4.1 Book Tee Time

This transaction provides the ability to book and confirm a tee time at a specified golf course.

Request Transaction - BOOKTIME

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | BOOKTIME |
| network_id | 3 | If golf network ID is supplied, transaction is only routed to that specific network. If not supplied, all networks with courses in the specified area will receive this transaction. |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD |
| time | 4 | HHMM time |
| players | 2 | Number of Players |
| holes | 2 | Number of Holes |
| carts | 1 | Number of Carts |
| name | 40 | Guest name tee time is booked under |
| gtd_method | 2 | Guarantee method<br>CC = Credit Card<br>VC = Voucher<br>TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express<br>VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date<br>MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |

EXAMPLE:
GOLFAlAWVI235998561970812121023II~
BOOKTIMEIPTTI238951199709151093012I1IJohnson LarrylTAIIIIII~

## Wide Area Network

The preferred wide area network connectivity is dedicated 56KB frame relay circuits. For an additional charge, ANDS can setup a secure encrypted tunnel connection over the internet to the golfswitch. This method would require more investment up front but would yield a much smaller monthly recurring data line charge. Dial up communications will also be provided but are not recommended due to the "online" nature of the golf switch.

## Protocol

The preferred protocol for the golfswitch is tcp/ip. Additional protocols will be supported if necessary for an additional setup fee.

## Provided Communication Software

ANDS provides to each golfswitch customer a communications software package as part of the subscription. This package provides multi-threaded tcp/ip connectivity to the golfswitch running on a MS Windows NT platform. Software functions written in the "C" programming language for each transaction are available for customizing to fit the customers specific reservation system needs. The actual communication routines are already written, tested and transparent. This allows for rapid development and minimal integration time thus reducing cost significantly.

## 3.3 Area Availability

This transaction provides a list of the golf courses registered within a specified golfswitch area that have available tee times within the specified criteria. Golfswitch will route this message to all golf course networks that have courses within the specified area. Golfswitch will then wait until all Golf Networks have responded or until the 20 second time out has been reached. When either of these events occur, Golfswitch will combine the responses of the various Golf Networks and respond to the reseller with a single response. This transaction is available for Resellers only.

Request Transaction - AREAAVAIL

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | AREAAVAIL |
| area_code | 18 | Golfswitch Area Code |
| network_id | 3 | If golf network ID is supplied, transaction is only routed to that specific network. If not supplied, all networks with courses in the specified area will receive this transaction. |
| start_date | 8 | YYYYMMDD |
| end_date | 8 | YYYYMMDD |
| players | 2 | Number of players |
| time_preference | 1 | 1 = morning preference, return morning tee time availability 2 = afternoon preference, return afternoon tee time availability |
| holes | 3 | Number of holes per day |
| cart | 1 | "Y" cart requested, only respond with courses that have carts "N" cart not needed |
| max_fee | 6 | Maximum fee per player for holes specified. Right 2 positions are considered decimal positions. Example: 50 dollars would be presented as 5000. If present, only respond with courses, dates and tee times that have fees per player for the specified # of holes that are <= provided value. |

EXAMPLE:

GOLFAIAWVI235998561970812121023II~

AREAAVAILISAN DIEGOII199709151199709151I2I1I18IYI11000I~

## 3.4 Course Availability

This transaction provides a list of the available tee times within the specified criteria for a specific golf course. Golfswitch will route this message to the network that has the specified course. This transaction is available for Resellers only.

Request Transaction - COURSEAVAIL
( Up to 10 COURSEAVAIL segments can be grouped within a single transaction)

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEAVAIL |
| network_id | 3 | 3 char golf network id. |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| start_date | 8 | YYYYMMDD |
| end_date | 8 | YYYYMMDD |
| players | 2 | Number of players |
| time_preference | 1 | 1 = morning preference, return morning tee time availability<br>2 = afternoon preference, return afternoon tee time availability |
| holes | 3 | Number of holes per day |
| cart | 1 | "Y" cart requested<br>"N" cart not needed |
| max_fee | 6 | Maximum fee per player for holes specified. Right 2 positions are considered decimal positions. Example: 50 dollars would be presented as 5000. |

EXAMPLE:

GOLFAIAWVI235998561970812121023II~
COURSEAVAILIPTTI238951199709151199709151211I18IYI11000I~

Reply Transaction Segment - COURSE (Refer to section 3.3 for more details on this segment)

Reply Transaction Segment - TEETIMES
(can occur multiple times for a given COURSE segment,
at least 1 will always be returned for each COURSE segment)

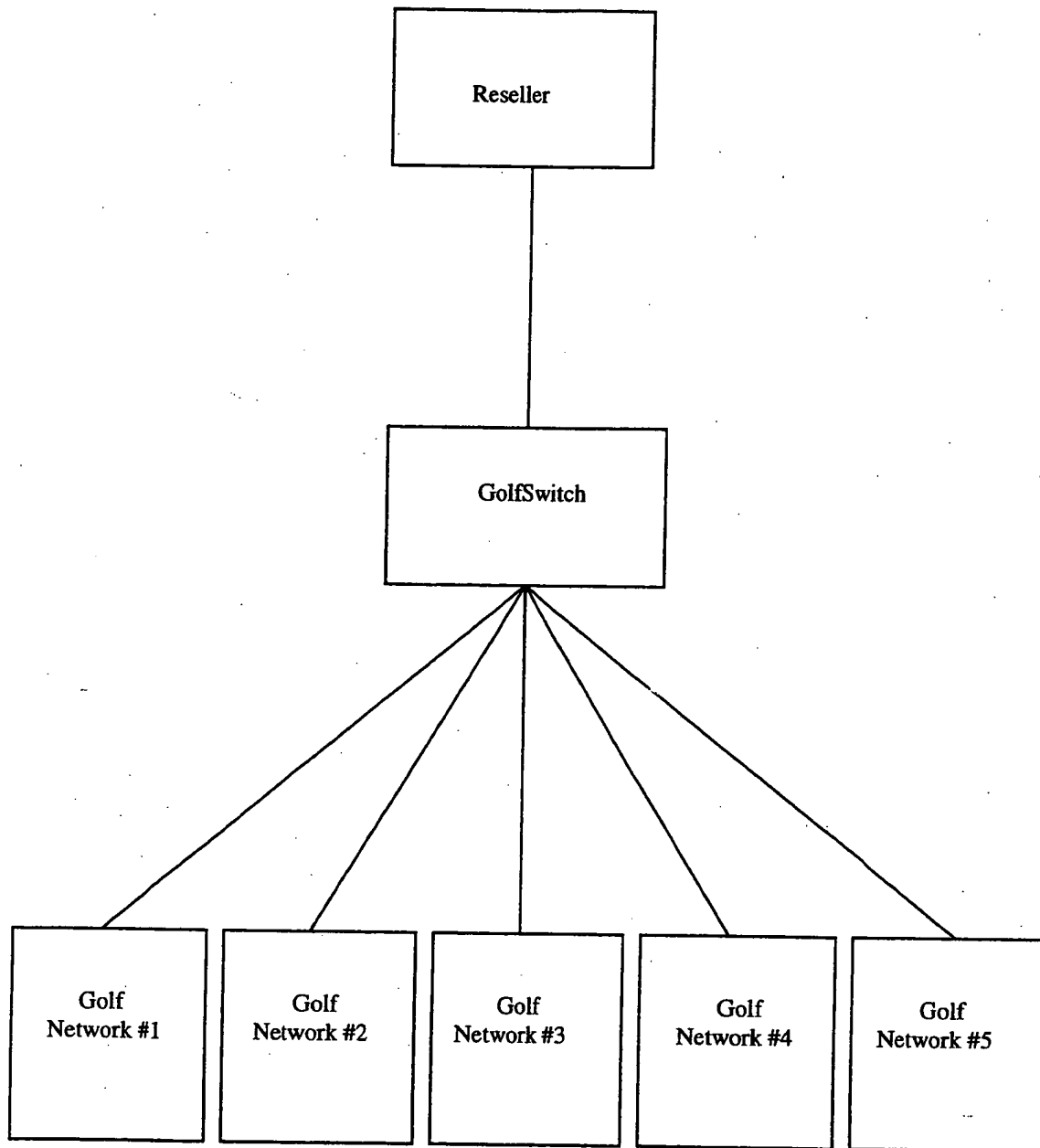| Field Name | Size | Description |
|---|---|---|
| segment | 18 | TEETIMES |
| reply_code | 2 | 0 = Success<br>1 = No Tee Times matching criteria |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| avail_players | 2 | Available player slots for tee time |
| holes | 3 | Number of holes available for tee time |
| description | 16 | Description of holes available (i.e. "south eighteen") |
| fee_per_player | 6 | Fee per player for number of holes. Right 2 positions are considered decimal positions. Example: 50 dollars is presented as 5000 |
| cart_fee | 6 | Fee per cart. Right 2 positions are considered decimal positions. Example: 50 dollars is presented as 5000 |

Reply Transaction Segment - BOOKREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | BOOKREP |
| reply_code | 2 | 0 = Successfully booked or modified, confirmation number supplied. If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| date | 8 | YYYYMMDD date for tee time |
| time | 4 | HHMM time |
| players | 2 | Players |
| holes | 3 | Holes |
| carts | 1 | Carts |
| name | 40 | Guest name tee time is booked under |
| gtd_method | 2 | Guarantee method CC = Credit Card VC = Voucher TA = Travel Agent or Reseller |
| credit_card_type | 2 | AX = American Express VI = Visa |
| credit_card_no | 24 | Credit Card Number |
| credit_card_exp | 4 | Credit Card expiration date MMYY |
| last_name_card | 30 | Last name on credit card account |
| first_name_card | 30 | First name on credit card account |
| middle_init_card | 1 | Middle initial on credit card account |
| confirmation_no | 16 | Tee Time confirmation number |
| player_cost | 6 | Cost per player not including tax. Right 2 positions are considered decimal positions. |
| total_cost | 6 | Total cost for booking including applicable taxes and other chargeable items. Right 2 positions are considered decimal positions. |

EXAMPLE:
GOLFAIAWVI235998561970812121023I9708121210261~
BOOKREPI0IPTTI238951199709151093012118I1I
ILARRY JOHNSONIIIIIICF2998345821950012350OI~

EXHIBIT 1F

## 1.1 GOLFSWITCH NETWORK OVERVIEW

```
                    ┌─────────────────┐
                    │                 │
                    │    Reseller     │
                    │                 │
                    └────────┬────────┘
                             │
                             │
                    ┌────────┴────────┐
                    │                 │
                    │   GolfSwitch    │
                    │                 │
                    └─────────────────┘
```

| Golf Network #1 | Golf Network #2 | Golf Network #3 | Golf Network #4 | Golf Network #5 |

EXHIBIT 1G

# 5. MAINTENANCE TRANSACTIONS

## 5.1 Course Maintenance

This transaction provides the ability for the Golf Network to maintain their courses on the Golfswitch. This transaction is initiated by the Golf Network and is processed as an online transaction.

Request Transaction Segment - COURSEMAINT

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEMAINT |
| action | 1 | U = Update if record already exists, if not Add record<br>D = Delete record |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |
| course_name | 30 | Golf course name |
| addr_1 | 30 | Address of golf course line 1 |
| addr_2 | 30 | Address of golf course line 2 |
| city | 30 | City of golf course |
| state_prov | 16 | State or Province of golf course |
| postal_code | 16 | ZIP or Postal code of golf course |
| country | 3 | 3 character country code of golf course |
| phone_no | 16 | Telephone # of golf course |
| holes | 3 | Number of holes at golf course |

EXAMPLE:
```
GOLFAIAWVI235998561970812121023I970812121026I~
        COURSEMAINTIUIPTTI23895ILaJolla Shoresl1234 LaJolla BoulevardII
            LaJollaICAI99235IUSAI6192234545I36I~
```

Reply Transaction Segment - COURSEMAINTREP

| Field Name | Size | Description |
|---|---|---|
| segment | 18 | COURSEMAINTREP |
| reply_code | 2 | 0 = Successfully updated/deleted<br>If non zero, refer to error codes section for valid error conditions |
| network_id | 3 | 3 character golf course network ID |
| course_id | 12 | 12 character unique golf course ID within the golf course network |

EXAMPLE:
```
GOLFAIAWVI235998561970812121023I970812121026I~
        COURSEMAINTREPI0IPTTI23895I~
```

EXHIBIT 2

# MAN HOUR EFFORT FOR GOLFSWITCH DEVELOPMENT

| | Scott | David | Glenn | WH | Brandon | George | Nancy | Mike | Total |
|---|---|---|---|---|---|---|---|---|---|
| Jun-97 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| Jul-97 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| Aug-97 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 |
| Sep-97 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 |
| Oct-97 | 120 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 200 |
| Nov-97 | 100 | 120 | 0 | 100 | 120 | 0 | 0 | 100 | 540 |
| Dec-97 | 120 | 120 | 120 | 100 | 176 | 0 | 0 | 120 | 756 |
| Jan-98 | 176 | 176 | 176 | 100 | 176 | 0 | 0 | 120 | 924 |
| Feb-98 | 176 | 176 | 176 | 100 | 176 | 80 | 20 | 120 | 1024 |
| Mar-98 | 176 | 176 | 176 | 100 | 176 | 176 | 40 | 120 | 1140 |
| Apr-98 | 176 | 176 | 176 | 100 | 176 | 176 | 40 | 40 | 1060 |
| May-98 | 150 | 176 | 160 | 100 | 176 | 60 | 20 | 40 | 882 |
| Jun-98 | 150 | 176 | 150 | 100 | 176 | 0 | 20 | 0 | 772 |
| Jul-98 | 150 | 176 | 0 | 0 | 176 | 0 | 20 | 0 | 522 |
| TOTAL | 1854 | 1472 | 1134 | 800 | 1608 | 492 | 160 | 660 | 8180 |
| COST/Hour | $48.00 | $48.00 | $24.00 | $30.00 | $14.00 | $33.00 | $15.00 | $35.00 | |
| COST | $133,488.00 | $105,984.00 | $40,824.00 | $36,000.00 | $33,768.00 | $24,354.00 | $3,600.00 | $34,650.00 | $412,668.00 |

* Cost = ( total hours * cost per hour) * 1.5

Total Hours Cost

Total Cost

# APPENDIX

| CLAIM | CORRESPONDING ELEMENT CONCEPTION PROOF |
|---|---|
| 72. (New): A golf tee-time reservation system for implementing seamless real time access to one or more golf courses, said system comprising: | Exhibit 1A – "seamless single network connection" |
| means for inputting a tee-time request; | Exhibit 1B |
| means for interfacing a protocol with one or more different protocols; | Exhibit 1C – "multi-threaded tcplip connectivity" |
| means for issuing one or more tee-time transactions to one or more golf course reservation systems; | Exhibit 1D – "route...to all golf course networks" |
| means for displaying one or more tee-time schedules; and | Exhibit 1E – "list of available tee times" |
| means for reserving one or more tee-times from said one or more golf course in real time. | Exhibit 1F – "Successfully booked" |
| 73. (New): The golf tee-time reservation system of claim 72, wherein said means for inputting a tee-time request comprises a graphical user interface. | Exhibit 1C – pc/internet system using pc graphics |
| 74. (New): The golf tee-time reservation system of claim 73, wherein said graphical user interface comprises a networked based interface. | Exhibit 1C – 'Wide Area Network" |
| 75. (New): The golf tee-time reservation system of claim 74, wherein said networked based interface is the Internet. | Exhibit 1C – "Connection over the internet" |
| 76. (New): The golf tee-time reservation system of claim 72, wherein said means for interfacing a single protocol with one or more different protocols comprises a computer server. | Exhibit 1C – "tunnel connection over the internet" |
| 77. (New): The golf tee-time reservation system of claim 76, wherein said computer server comprises a software translation package for interfacing said protocol with said one or more different protocols. | Exhibit 1C – "communication software package" |
| 78. (New): The golf tee-time reservation system of claim 76, wherein said computer server is coupled with said graphical user interface. | Exhibit 1G – "Reseller" and "GolfSwitch" are coupled |
| 79. (New): The golf tee-time reservation system of claim 76, wherein said computer server is one or more computing components. | Exhibit 1C |
|  |  |

| | |
|---|---|
| 80. (New): The golf tee-time reservation system of claim 72, wherein said means for issuing one or more tee-time transactions to one or more golf course reservation systems utilizes real time concurrent processing for obtaining one or more tee-time schedules from said one or more golf course reservation systems. | Exhibit 1A – "Routed to each golf network" |
| 81. (New): The golf tee-time reservation system of claim 80, wherein said real time concurrent processing is performed using a central processing unit. | Exhibit 1G – GolfSwitch" module |
| 82. (New): The golf tee-time reservation system of claim 81, wherein said central processing unit divides said one or more tee-time transactions into multiple subprocesses for processing within one clock cycle. | Exhibit 1B |
| 83. (New): The golf tee-time reservation system of claim 72, wherein said means for displaying one or more tee-time schedules is displayed using said graphical user interface. | Exhibit 1E |
| 84. (New): The golf tee-time reservation system of claim 72, wherein said means for reserving one or more tee-time schedules is an available tee-time for said one or more tee-time schedules. | Exhibit 1B |
| 85. (New): The golf tee-time reservation system of claim 72, wherein said means for reserving one or more tee-time schedules is scheduled by a user. | Exhibit 1C |
| 86. (New): The golf tee-time reservation system of claim 85, wherein said user selects said one or more tee-time schedules using said graphical user interface. | Exhibit 1C, 1B |
| 87. (New): An external golf tee-time reservation system for implementing seamless real time access to one or more internal golf course reservation systems, said system comprising: | Exhibit 1A |
| a user input module having an interface capable of receiving one or more tee-time requests; | Exhibit 1B, 1G – "Reseller" module |
| an interface module processing said request as real time transactions; and | Exhibit 1G – "GolfSwitch" module |
| a vendor service module linking said external golf tee-time reservation system to said one or more internal golf reservation systems. | Exhibit 1G – "Golf Network" modules |
| 88. (New): The external golf tee-time reservation system of claim 87, wherein said user input module comprises a networked based interface. | Exhibit 1A |

| | |
|---|---|
| 89. (New): The external golf tee-time reservation system of claim 88, wherein said networked based interface is the Internet. | Exhibit 1C – "over the internet" |
| 90. (New): The external golf tee-time reservation system of claim 87, wherein said user input module is a terminal that receives said one or more tee-time requests. | Exhibit 1B |
| 91. (New): The external golf tee-time reservation system of claim 90, wherein said terminal comprises a graphical user interface. | Exhibit 1C |
| 92. (New): The external golf tee-time reservation system of claim 90, wherein said terminal displays information to a user. | Exhibit 1D |
| 93. (New): The external golf tee-time reservation system of claim 87, wherein said interface module is coupled to said user interface module. | Exhibit 1G |
| 94. (New): The external golf tee-time reservation system of claim 87, wherein said interface module comprises one or more computer servers. | Exhibit 1C |
| 95. (New): The external golf tee-time reservation system of claim 94, wherein said one or more computer servers is a database server. | Exhibit 1C |
| 96. (New): The external golf tee-time reservation system of claim 95, wherein said database server provides information upon request. | Exhibit 1C, 1A |
| 97. (New): The external golf tee-time reservation system of claim 94, wherein said one or more computer servers is a system service application server. | Exhibit 1C |
| 98. (New): The external golf tee-time reservation system of claim 97, wherein said system service application server comprises administrative tools for regulating system resources. | Exhibit 1H |
| 99. (New): The external golf tee-time reservation system of claim 97, wherein said system service application server provides administrative reports. | Exhibit 1H |
| 100. (New): The external golf tee-time reservation system of claim 94, wherein said one or more computer servers is a network server. | Exhibit 1C |
| 101. (New): The external golf tee-time reservation system of claim 100, wherein said one or more network servers establishes a communication link to said vendor service module. | Exhibit 1C |
| | |